

WHAT IS CLAIMED IS:

- 1 1. A motorized wood working tool comprising:
2 a base provided with a metal table top having a generally planar
3 workpiece support surface with an opening formed therein;
4 a motor; and
5 a cutting element driven by the motor and oriented to extend through
6 the opening in the workpiece support surface of the table top,
7 wherein a surface layer is applied directly to the workpiece support
8 surface of the metal table to create a low friction surface for cooperating with a
9 workpiece placed thereon for sliding contact relative to the surface layer during
10 cutting.

- 1 2. The motorized wood working tool of claim 1 wherein the tool
2 comprises a circular table saw.

- 1 3. The motorized wood working tool of claim 1 wherein the tool
2 comprises a scroll saw.

- 1 4. The motorized wood working tool of claim 1 wherein the tool
2 comprises a band saw.

- 1 5. The motorized wood working tool of claim 1 wherein the
2 metal table top is formed of a metal casting to which the surface layer is applied.

- 1 6. The motorized wood working tool of claim 5 wherein the
2 metal casting of the metal table top comprises cast iron.

- 1 7. The motorized wood working tool of claim 5 wherein the
2 metal casting of the metal table top comprises an aluminum die casting.

- 1 8. The motorized wood working tool of claim 1 wherein the
2 surface layer applied to the workpiece support surface is a plastic laminate.

1 9. The motorized wood working tool of claim 8 wherein the
2 plastic laminate comprises formica.

1 10. A table saw comprising:
2 a base provided with a cast metal table top and a general planar work
3 support surface with an opening formed therethrough;
4 a motor; and
5 a circular saw blade operatively driven by the motor in a rotary
6 fashion, the saw blade extending through the opening formed in the generally planar
7 work support surface to cut a workpiece placed thereon and moved relative to the
8 circular saw blade,
9 wherein a plastic laminate is applied directly to the workpiece support
10 surface of the cast metal table top to create a low friction surface for cooperating
11 with a workpiece placed thereon for sliding contact relative to the plastic laminate
12 during cutting.

1 11. The table saw of claim 10 wherein the cast metal table top
2 comprises a cast iron table top to which the plastic laminate is applied.

1 12. The table saw of claim 10 wherein the plastic laminate
2 comprises formica.

1 13. A scroll saw comprising:
2 a base provided with a cast metal table top having a generally planar
3 work support surface with an opening formed therethrough;
4 a motor; and
5 a pair of spaced apart blade holders for supporting a blade
6 therebetween, operatively driven by the motor in a reciprocal manner or wherein a
7 blade spanning between the blade holders passes through the opening in the table
8 top;
9 wherein a plastic laminate is applied directly to the workpiece support
10 surface of the cast metal table top to create a low friction surface for cooperating

11 with a workpiece placed thereon for sliding contact relative to the plastic laminate
12 during cutting.

1 14. The scroll saw of claim 13 wherein the cast metal table top
2 comprises a die cast aluminum table top to which the plastic laminate is applied.

1 15. The scroll saw of claim 13 wherein the plastic laminate
2 comprises formica.

1 16. A band saw comprising;
2 a base provided with a metal tabletop having a generally planer
3 workpiece support surface with an opening formed therein;
4 a motor;
5 a pair of wheels lying in a common plane, one positioned above and
6 one positioned below the table top wherein one of the wheels is operatively driven
7 by the motor; and
8 an endless loop cutting blade entrained about the wheels and passing
9 through the opening in the table top;
10 wherein a plastic laminate is applied directly to the workpiece support
11 surface of the cast metal table top to create a low friction surface for cooperating
12 with a workpiece placed thereon for sliding contact relative to the plastic laminate
13 during cutting.

1 17. The band saw of claim 16 wherein the cast metal table top
2 comprises a die cast aluminum table top to which the plastic laminate is applied.

1 18. The band saw of claim 16 wherein the plastic laminate
2 comprises formica.